

Converting Colors

CIELCh(51, 31.346, 346.463)

Have a look what the booklet for
CIELCh(51, 31.346, 346.463)
contains.

CIELCh(51, 31.346, 346.463)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 31.346, 346.463)

Conversions

Conversions Part 1

Format	Color
Hex	A66687
RGB	166, 102, 135
RGB Percent	65%, 40%, 53%
CMY	0.3501, 0.6010, 0.4716
CMYK	0.00, 0.39, 0.19, 0.35
HSL	329°, 26%, 52%
HSV	329°, 39%, 65%
XYZ	24.7455, 19.2686, 25.2373
YIQ	124.8980, 27.5510, 23.8310

Conversions

Conversions Part 2

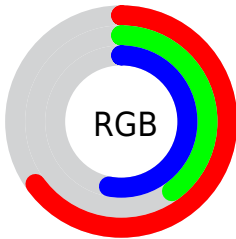
Format	Color
R_{YB}	166, 102, 135
Decimal	10905223
CIE _{Lab}	51.00, 30.48, -7.34
CIE _{LCh}	51, 31.346, 346.463
Yxy	19.2686, 0.3573, 0.2782
Android (android.graphics.Color)	4289095303 (0xFFA66687)
YUV	124.8980, 4.9803, 36.0465
Hunter-Lab	43.8960, 23.8076, -3.3606

Details

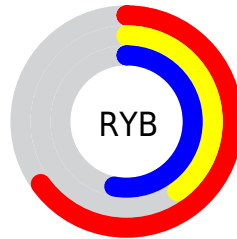
The CIELCh color **51, 31.346, 346.463** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **63, 30.066, 159.145**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 31.266, 346.522**, and **31, 31.434, 347.057** is the 20% darker color. If you saturate the color by 10%, you get **47, 39.145, 347.744**, and if you desaturate by 10%, it is **55, 23.216, 345.352**.

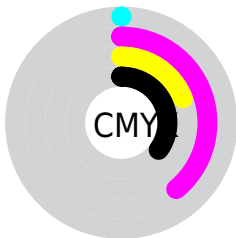
Distribution



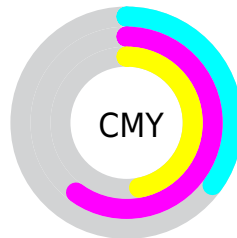
- Red (65%)
- Green (40%)
- Blue (53%)



- Red (65%)
- Yellow (40%)
- Blue (53%)



- Cyan (0%)
- Magenta (39%)
- Yellow (19%)
- Black (35%)





- Cyan (35%)
- Magenta (60%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 31.346, 346.463 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 51, 31.346, 346.463 by changing the saturation by 10% instead.


 51, 31.346,
346.463


 51, 31.346,
346.463


 100, 31.346,
346.463


 41, 31.346,
346.463


 71, 31.346,
346.463

 31, 31.346,
346.463

 81, 31.346,
346.463

 21, 31.346,
346.463

 91, 31.346,
346.463

 11, 31.346,
346.463

 1, 31.346, 346.463

 0, 31.346, 346.463

51, 31.346,
346.463

51, 31.346,
346.463

47, 39.145,
347.744

55, 23.216,
345.352

44, 46.293,
349.253

60, 15.004,
344.364

41, 52.390,
351.078

64, 6.868, 343.458

38, 57.041,
353.339

69, 1.092, 163.029

73, 8.821, 162.019

37, 59.975,
356.182

78, 16.296,
161.327

36, 61.413,
359.655

83, 23.510,
160.698

35, 61.606, 0.150

88, 30.470,
160.117

■ 92, 37.189,
159.577

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



51, 31.346, 346.463



63, 30.066, 159.145

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51, 31.346, 346.463



51, 31.346, 36.463



51, 31.346, 166.463



51, 31.346, 216.463

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



51, 31.344, 346.464



79, 11.851, 343.780



48, 39.209, 310.422



41, 7.857, 343.889



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51, 31.344, 346.464



61, 45.753, 347.502



50, 27.877, 21.754



32, 4.462, 343.516



31, 56.022, 359.664



1, 6.647, 345.456

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51, 31.344, 346.464



61, 45.753, 347.502



64, 21.525, 195.982



32, 4.462, 343.516



31, 56.022, 359.664



1, 6.647, 345.456

Previews

White Background



This preview shows how the CIELCh color 51, 31.346, 346.463 looks on a white background.

Color Contrast Check

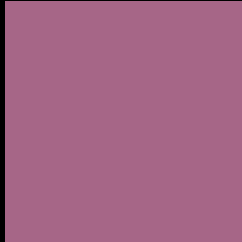
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 51, 31.346, 346.463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

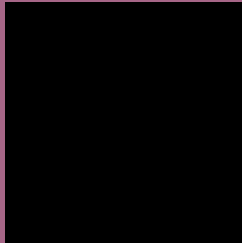
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 31.346, 346.463

Background



This preview shows how black text looks on a background with the CIELCh color 51, 31.346, 346.463.



This preview shows how white text looks on a background with the CIELCh color 51, 31.346, 346.463.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

51, 31.346, 346.463

Protanopia

51, 15.213, 285.243

Deuteranopia

51, 9.280, 318.812



Tritanopia
51, 24.424, 11.784

Trichromacy



Original Color
51, 31.346, 346.463

Protanomaly
51, 18.642, 316.234

Deuteranomaly
51, 17.047, 335.715

Tritanomaly
51, 26.589, 0.153

Monochromacy



Original Color
51, 31.346, 346.463

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 11.564, 343.816

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 31.346, 346.463 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(166, 102, 135)` looks like.

```
.text, #text, p{  
    color:rgb(166, 102, 135)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(166, 102, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 102, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 31.346, 346.463 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 102, 135) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(166, 102, 135) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(166, 102, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 102, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 102, 135);  
box-shadow:4px 4px 4px 4px rgb(166, 102,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 31.346, 346.463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 102, 135) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(166,  
102, 135) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor